

Chapter 3 - Corridor Vision

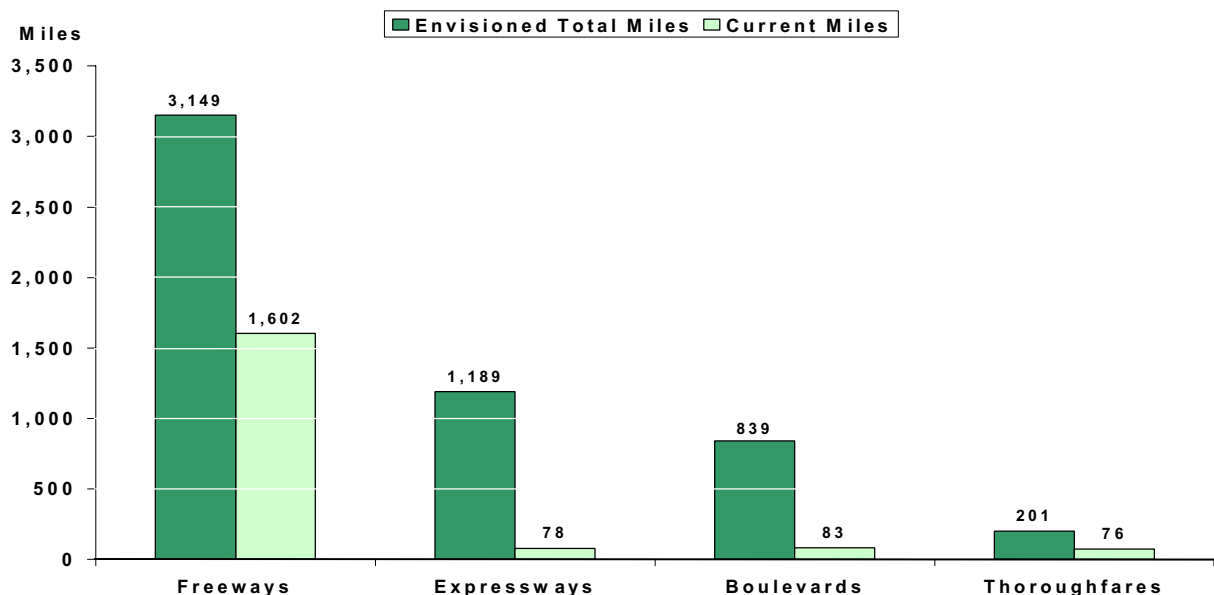
3.1 What is the Vision for each of the Corridors?

Designating corridors as strategic to North Carolina was just the beginning of developing an initiative to enhance mobility and connectivity. A vision representing the ultimate design and operational picture for each of the 55 Strategic Highway Corridors was established to provide for a better and more consistent decision-making process. The vision for these corridors was created using the NCDOT Facility Types and Control of Access Definitions (Appendix C). The Strategic Highway Corridors Vision Plan (Exhibit 24, with insets Exhibits 25-30) illustrates the recommended facility types for each of the corridors, which can also be found in the Strategic Highway Corridors List (Exhibit 31). Specifically, the Vision Plan shows the facility type proposed for each corridor, i.e., Freeway, Expressway, Boulevard, or Thoroughfare. The facility type proposed is the minimum preferred type and does not preclude the possibility of a facility type which provides greater mobility.

The facility type definitions were developed to create a set of easy to understand and consistent definitions for all roadways for NCDOT and its partners to use in the planning, design, and operations processes. The definitions are primarily based on the function of the roadway, level of mobility and access, and whether the facility has or will have traffic signals, driveways, and/or medians. These definitions were developed from a committee comprised of members from FHWA and the following NCDOT branches: Traffic Engineering, Highway Design, Project Development, and Transportation Planning.

As previously mentioned, one of the goals of the SHC concept is to create a consistent vision for each corridor. However, within certain corridors, the facility type vision may vary based on elements such as the projected use of the facility, terrain or landscape, or the feasibility of constructing a higher facility type. As of September 2004, approximately 1,840 of the 5,378 miles are consistent with the adopted vision. Exhibit 20 indicates the total number of miles envisioned and the current number of miles of each facility type.

Exhibit 20: Strategic Highway Corridors Total Miles by Proposed Facility Type (Sept. 2004)



Although a preferred facility type is shown on the Vision Plan, each corridor must be studied further in order to build a consensus among stakeholders - namely local communities, federal/state resource agencies, regional authorities, and NCDOT - as to the facility's overall function, role, and size/scale of any associated improvements needed. Each corridor is recognized as a unique, independent asset within the state's highway system, and must fit within the context of long-range transportation plans of adjoining local and/or regional areas.

Wherever possible, NCDOT intends to maximize and improve upon the use of existing highway facilities in order to achieve the ultimate vision. This will help minimize impacts to the surrounding natural and human environment, while also reducing the cost of improvements needed to reach the vision. In areas where the vision cannot be achieved due to the magnitude of impacts, sections of roadway on a new location may be constructed. It is intended that any sections built on new location will either be a Freeway, Expressway with limited control of access, or a Boulevard with limited control of access to better manage roadway connections, improve safety, and keep traffic flowing as efficiently as possible. This approach helps to avoid future construction of "a bypass around a bypass."

The potential also exists for certain Freeways to be constructed to interstate design standards to allow for a future interstate designation. Facilities with interstate designations are typically thought to help attract industry and commercial business to a community due to their high-speed design and expected quality of service. Interstates, which are the highest level of Freeways, have the most efficient and safest uniform geometric design and construction standards. These standards include a minimum of four 12-foot wide travel lanes, a minimum right shoulder width of 10 feet, full control of access, and design speeds of 50 to 70 miles per hour (depending on the location).

It is essential to keep traffic flowing on the Strategic Highway Corridors, as they carry a large portion of vehicles in the entire state (see Section 2.7). Engineers will need to design the highway and associated intersections in a manner, which accommodates the anticipated capacity and mobility needs. One such example is to design and construct high-speed/free-flow style interchanges where two or more corridors

meet, as shown in Exhibit 21. This will help reduce congestion in the intersection area and keep traffic flowing efficiently, by separating travel movements.

Exhibit 21: Examples of High-Speed/Free-Flow Style Interchanges (in North Carolina)



The use of access management techniques is crucial to achieving the concept goals and will be implemented throughout the Corridors. Access management is defined as the planning, design, and implementation of land use and transportation strategies that maintain a safe flow of traffic while accommodating the access needs of adjacent development. The goal of access management is to balance the need to provide efficient, safe, and timely travel through the state with the desired ability to allow access to the individual destination. Examples of access management techniques include converting facilities with a continuous center turn lane into a median divided facility (as illustrated in Exhibit 22), consolidating existing median openings and/or converting them to directional crossings (such as a leftover), consolidating or creating shared driveways, constructing rear service roads, and coordinating land use decisions with the transportation function of the highway corridor.

Exhibit 22: An Example of Retrofitting a Thoroughfare into a Boulevard

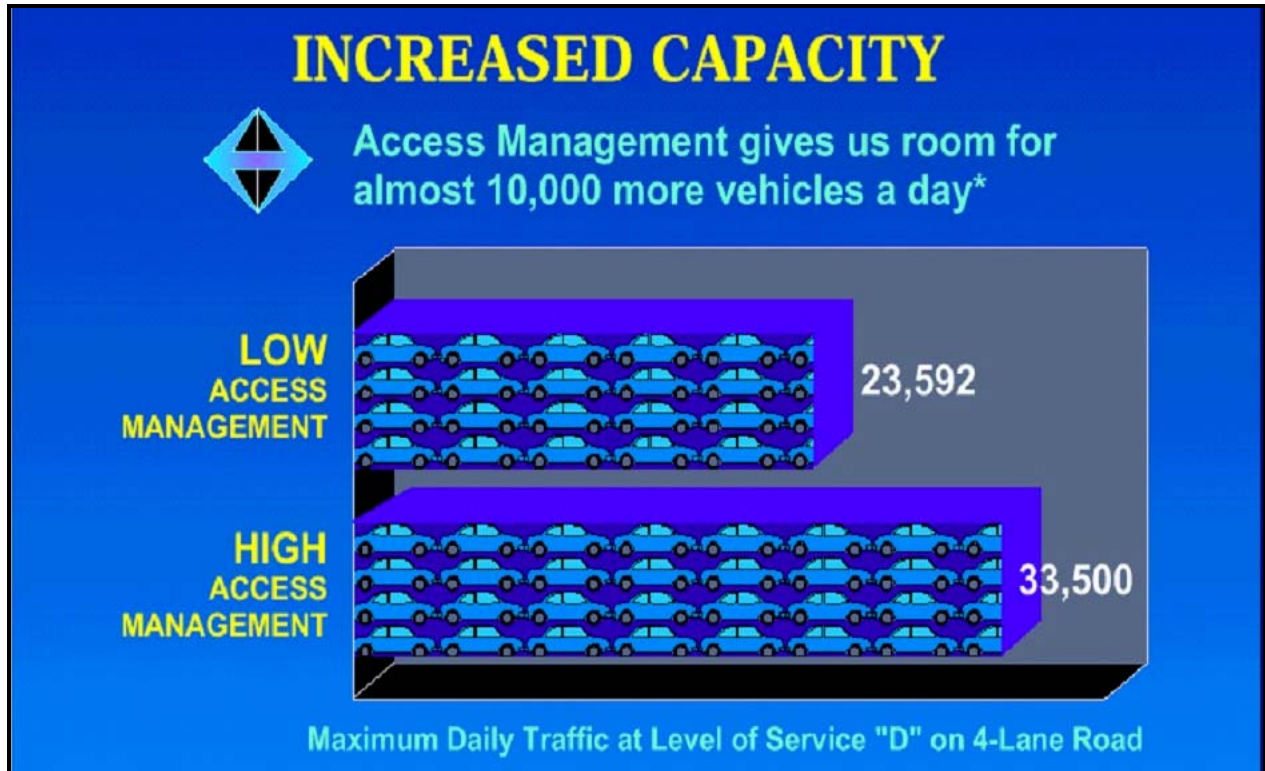


Numerous studies across the United States show the safety and capacity benefits of applying access management techniques. Research indicates that as the number of access points and driveways on a roadway increases, the number of accidents on the facility also increases, while the average speed decreases.¹⁰ Reducing and minimizing the number of access points is critical to obtaining high-speed, safe facilities. Additionally, highly access managed facilities, such as four-lane divided roadways with shared driveways, provide greater capacity than those that are poorly managed, such as five-lane roadways with multiple

¹⁰Transportation Research Board, *Access Management Manual*, 2003

driveway connections. Higher-level managed facilities can provide room for about 10,000 additional vehicles a day as illustrated in Exhibit 23.

Exhibit 23: Increased Capacity Benefits of Access Management



Source: Florida Department of Transportation

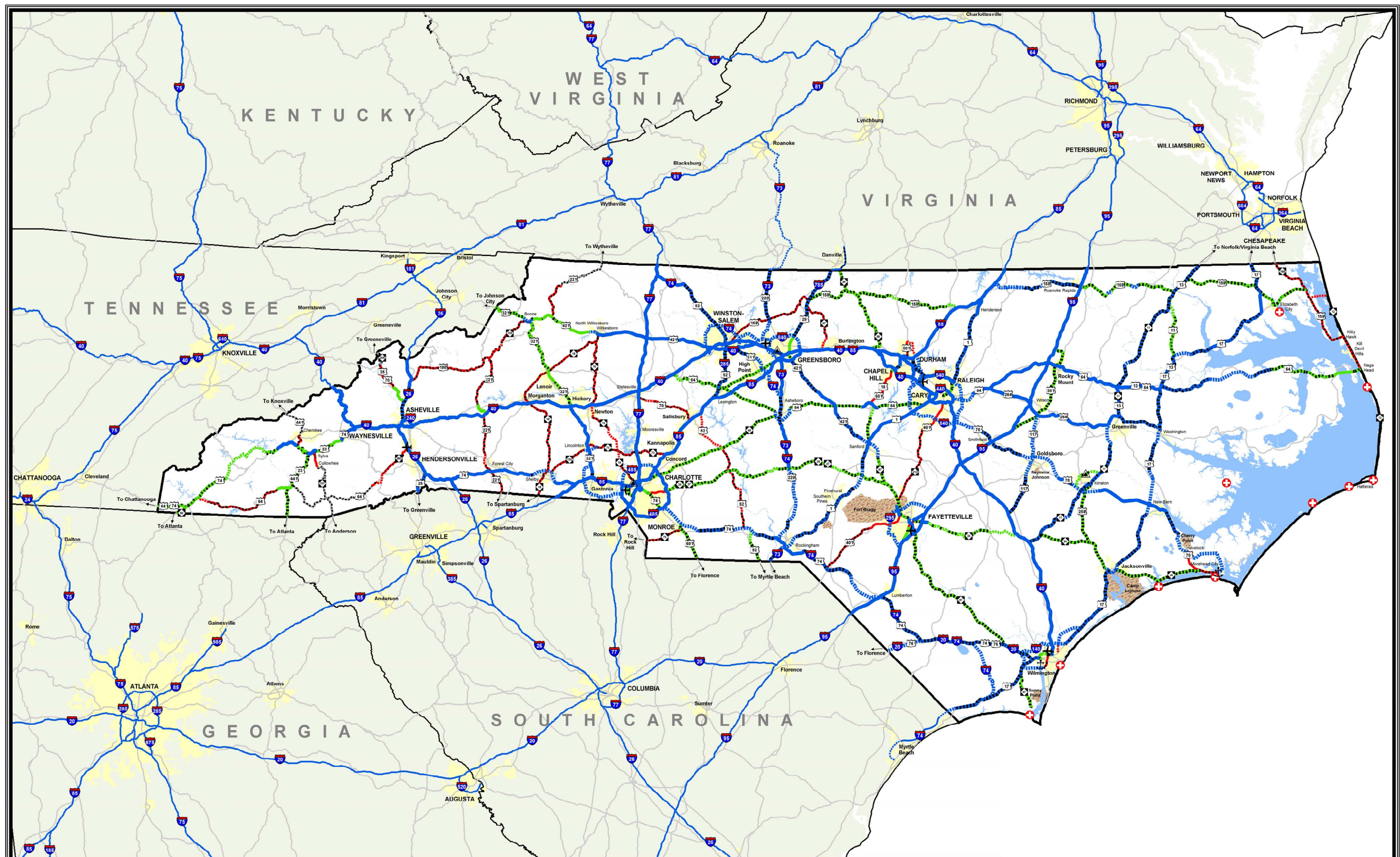
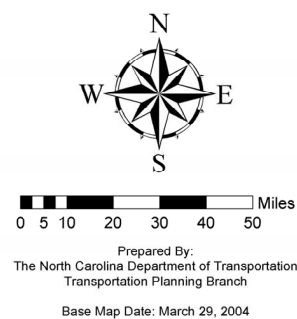


Exhibit 24: Vision Plan

Adopted by The North Carolina
Board of Transportation

Plan Date: September 2, 2004



Legend

Freeways

- Existing
- Needs Upgrade
- Recommended

Expressways

- Existing
- Needs Upgrade
- Recommended

Boulevards

- Existing
- Needs Upgrade
- Recommended

Thoroughfares

- Existing
- Needs Upgrade
- Recommended

- US/Other Route
- State Port
- Major Airport
- Intermodal Connector
- Coast Guard Station
- Major Military Base
- Urban Area
- Water Features

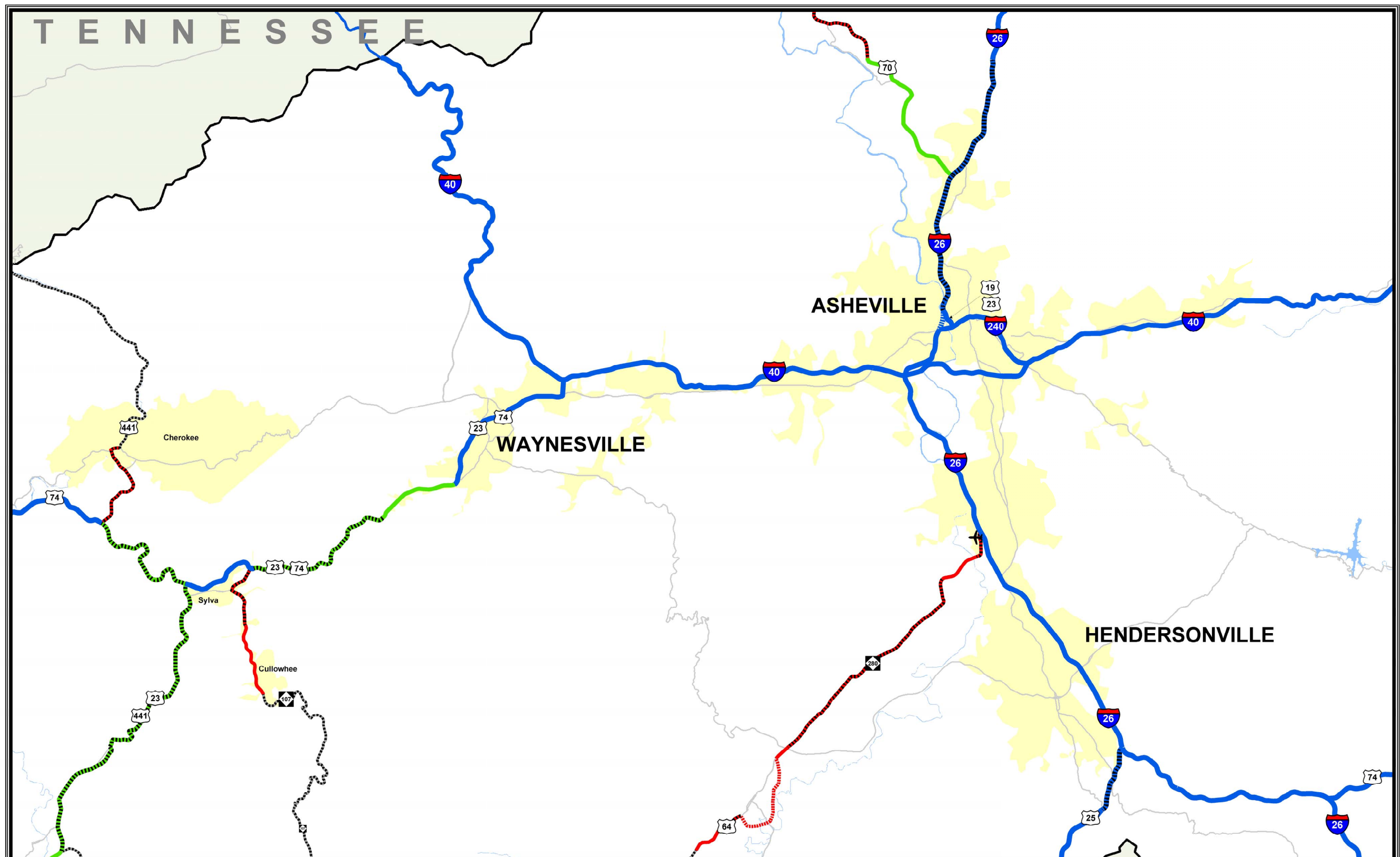
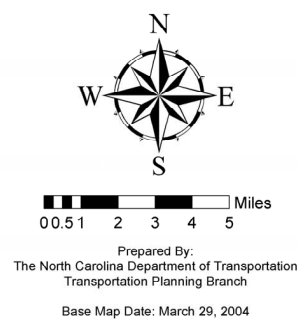


Exhibit 25: Vision Plan - French Broad River Area

Adopted by The North Carolina
Board of Transportation

Plan Date: September 2, 2004



Legend

Freeways

- Existing
- Needs Upgrade
- Recommended

Expressways

- Existing
- Needs Upgrade
- Recommended

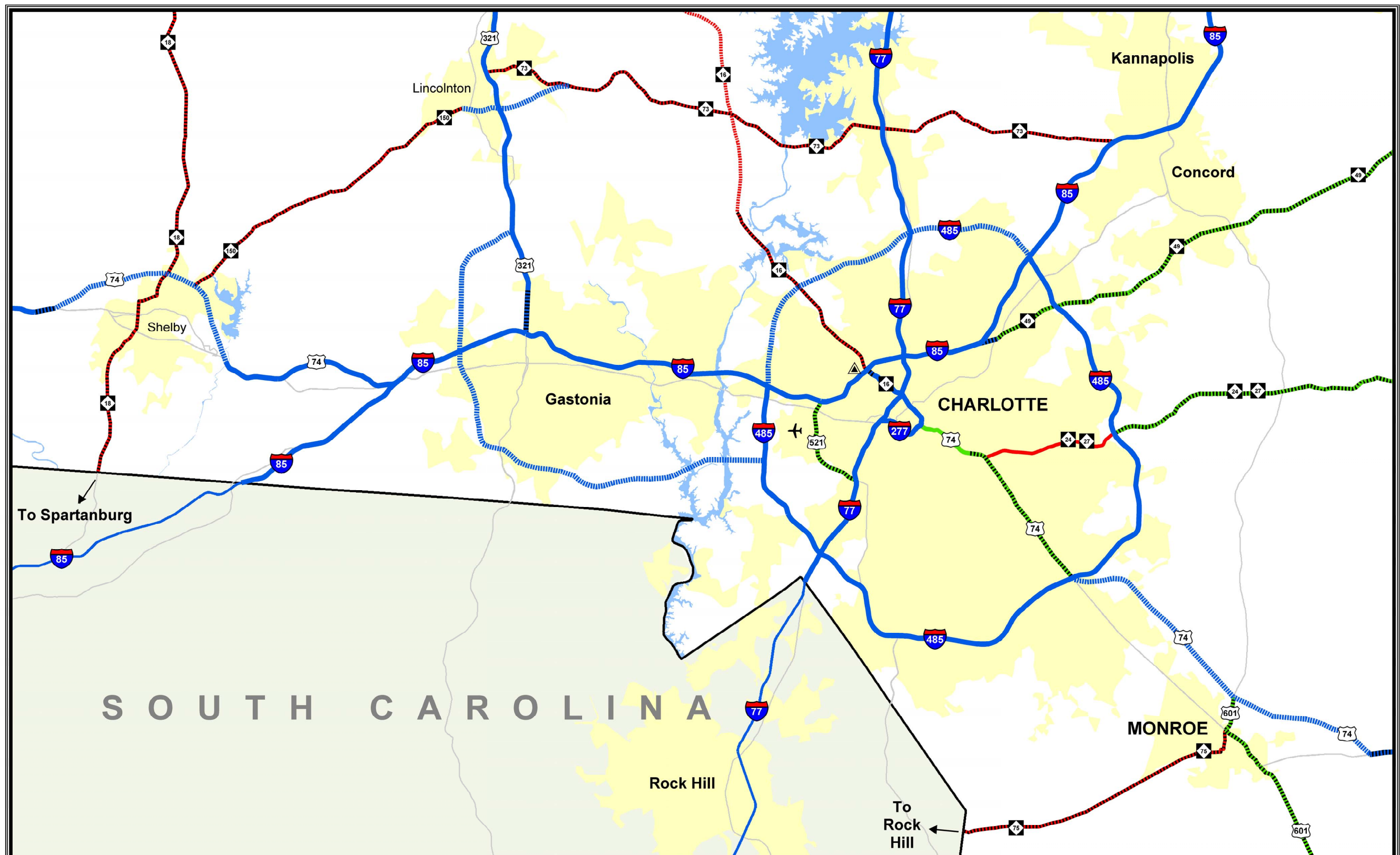
Boulevards

- Existing
- Needs Upgrade
- Recommended

Thoroughfares

- Existing
- Needs Upgrade
- Recommended

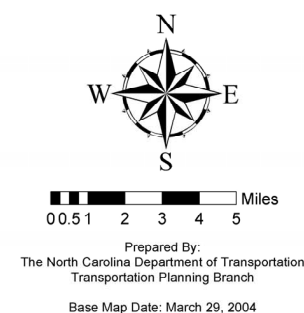
- US/Other Route
- State Port
- Major Airport
- Intermodal Connector
- Coast Guard Station
- Major Military Base
- Urban Area
- Water Features



**Exhibit 26:
Vision Plan -
Metrolina Area**

Adopted by The North Carolina
Board of Transportation

Plan Date: September 2, 2004



- Legend**
- | | | |
|---|---|--|
| <p><u>Freeways</u></p> <p>Existing</p> <p>Needs Upgrade</p> <p>Recommended</p> | <p><u>Boulevards</u></p> <p>Existing</p> <p>Needs Upgrade</p> <p>Recommended</p> | <p>US/Other Route</p> <p>State Port</p> <p>Major Airport</p> <p>Intermodal Connector</p> <p>Coast Guard Station</p> <p>Major Military Base</p> <p>Urban Area</p> <p>Water Features</p> |
| <p><u>Expressways</u></p> <p>Existing</p> <p>Needs Upgrade</p> <p>Recommended</p> | <p><u>Thoroughfares</u></p> <p>Existing</p> <p>Needs Upgrade</p> <p>Recommended</p> | |

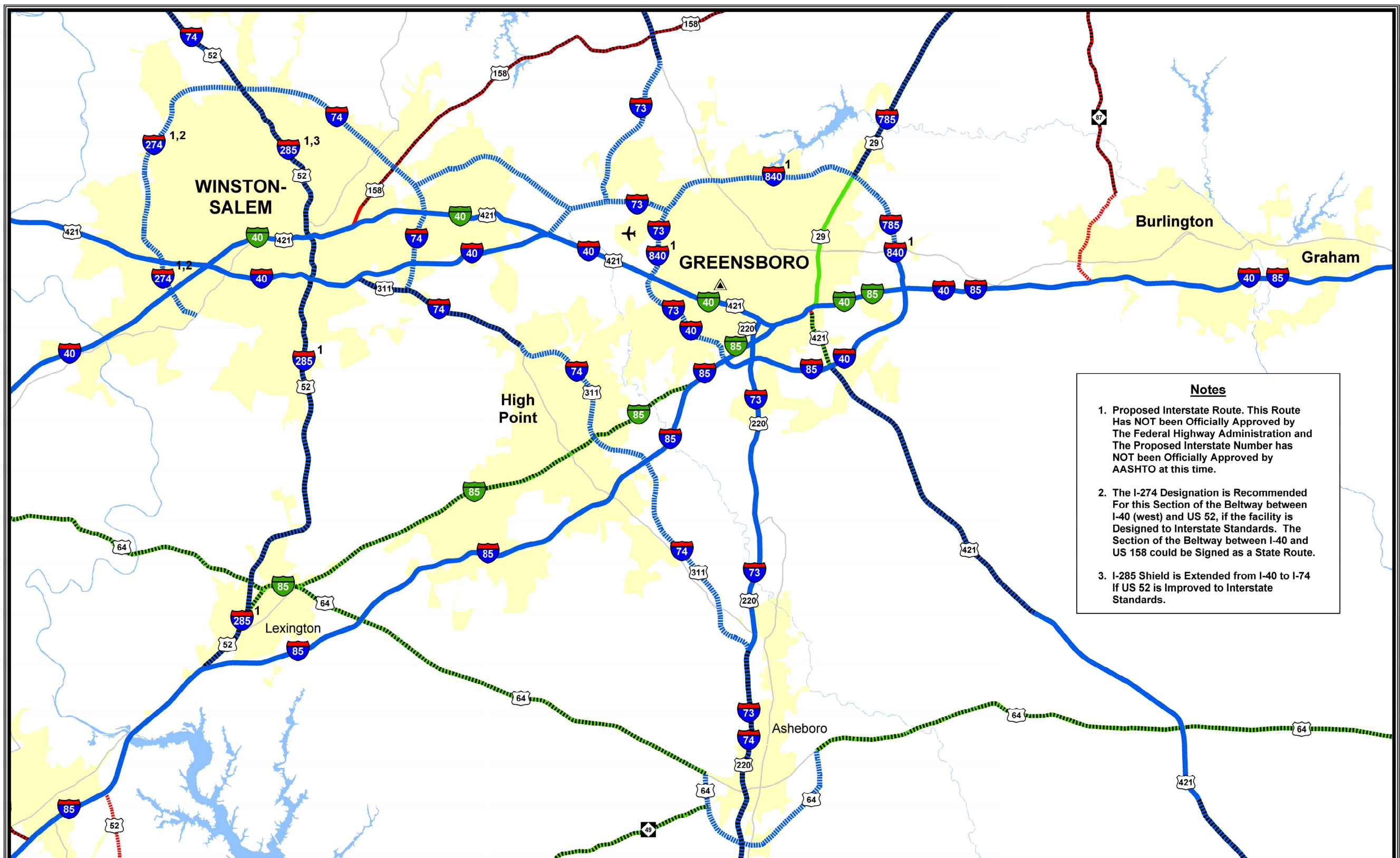
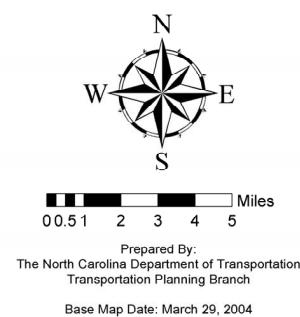


Exhibit 27: Vision Plan - Triad Area

Adopted by The North Carolina
Board of Transportation
Plan Date: September 2, 2004



Legend	
Freeways	Boulevards
Existing	Existing
Needs Upgrade	Needs Upgrade
Recommended	Recommended
Expressways	Thoroughfares
Existing	Existing
Needs Upgrade	Needs Upgrade
Recommended	Recommended
US/Other Route	State Port
Major Airport	Intermodal Connector
Coast Guard Station	Major Military Base
Urban Area	Water Features

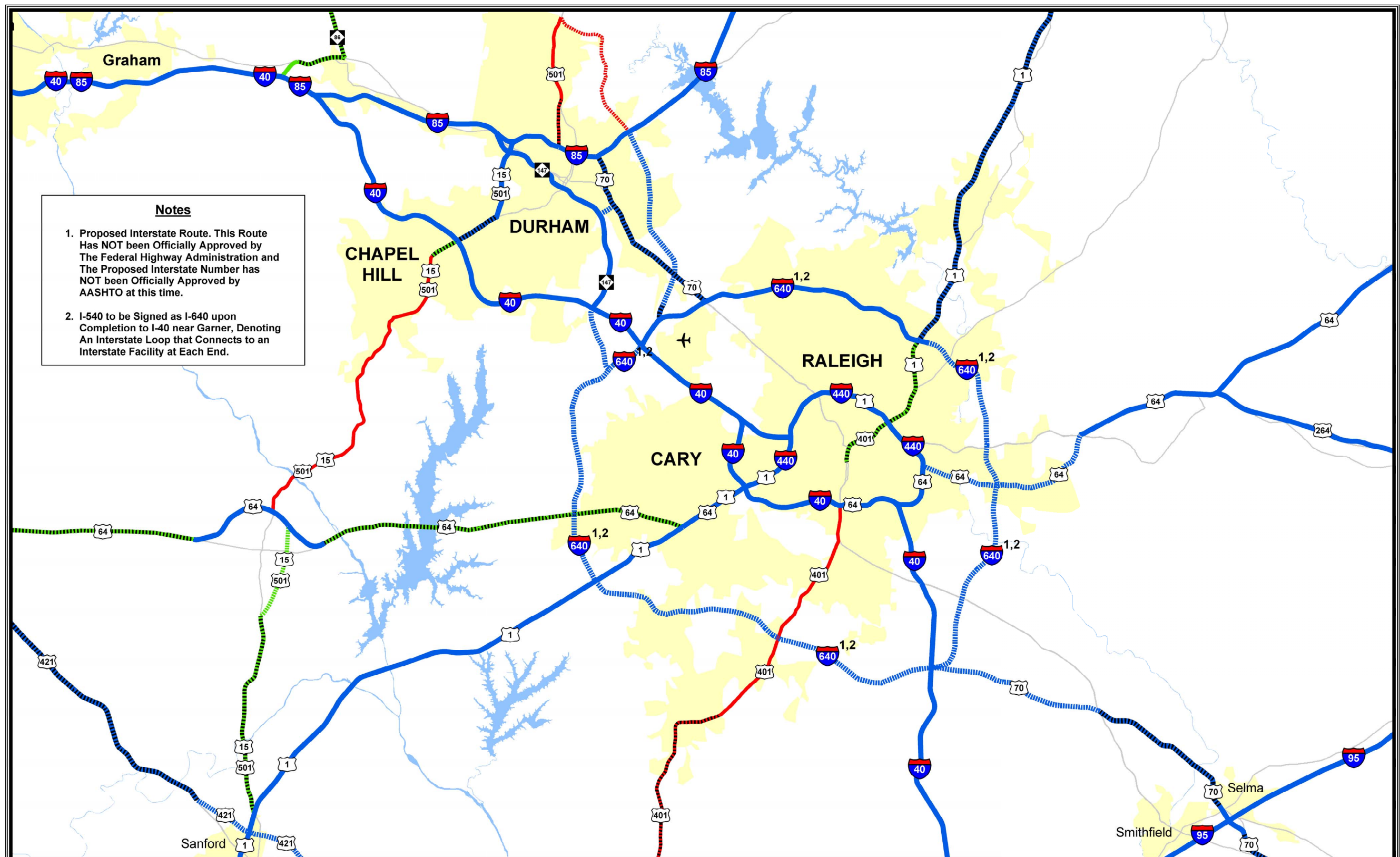
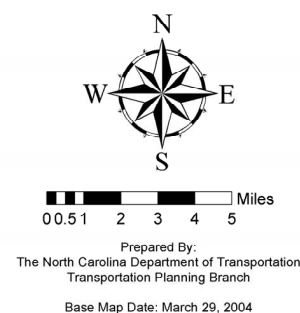
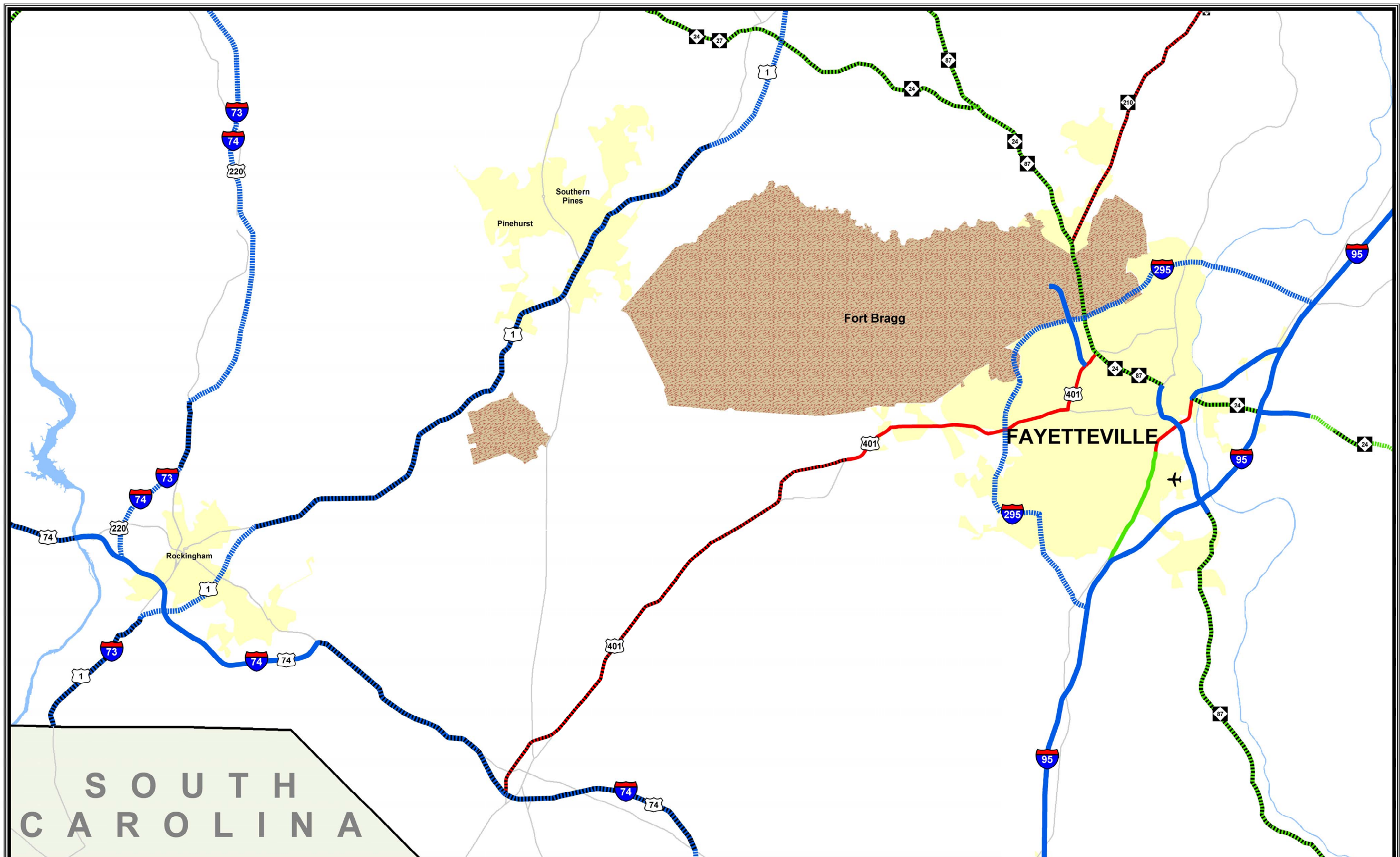


Exhibit 28: Vision Plan - Triangle Area

Adopted by The North Carolina
Board of Transportation
Plan Date: September 2, 2004



Legend	
Freeways	Boulevards
Existing	Existing
Needs Upgrade	Needs Upgrade
Recommended	Recommended
Expressways	Thoroughfares
Existing	Existing
Needs Upgrade	Needs Upgrade
Recommended	Recommended
US/Other Route	State Port
Major Airport	Intermodal Connector
Coast Guard Station	Major Military Base
Urban Area	Water Features

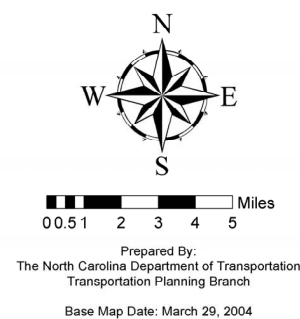


SOUTH
CAROLINA



Exhibit 29: Vision Plan - Fayetteville Area

Adopted by The North Carolina
Board of Transportation
Plan Date: September 2, 2004



Legend	
Freeways	Boulevards
Existing	Existing
Needs Upgrade	Needs Upgrade
Recommended	Recommended
Expressways	Thoroughfares
Existing	Existing
Needs Upgrade	Needs Upgrade
Recommended	Recommended
US/Other Route	State Port
Major Airport	Intermodal Connector
Coast Guard Station	Major Military Base
Urban Area	Water Features

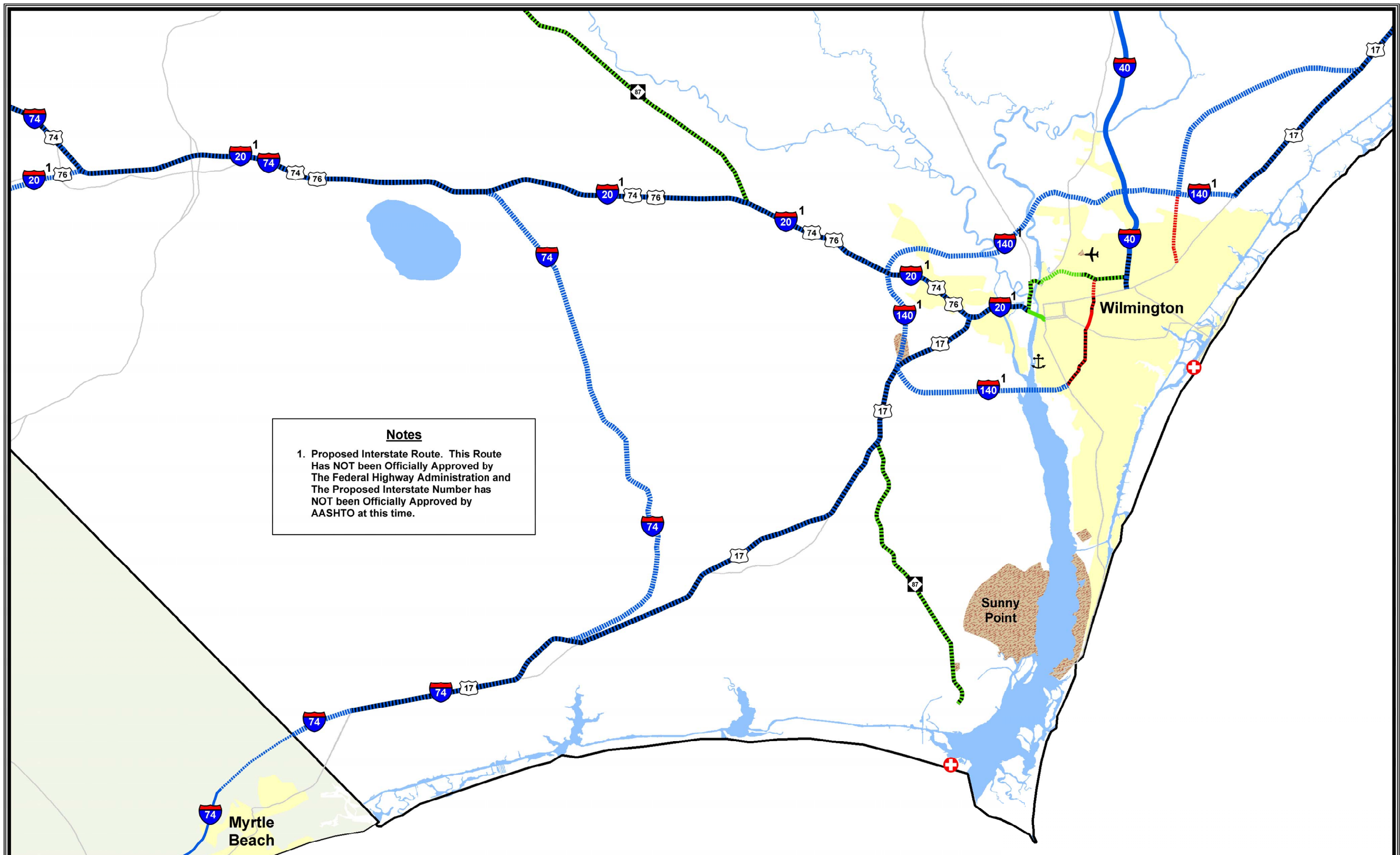
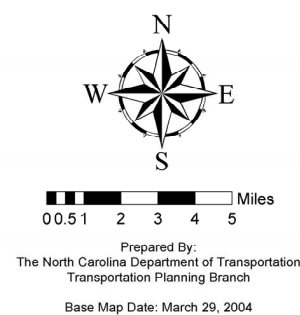


Exhibit 30: Vision Plan - Southeastern NC

Adopted by The North Carolina
Board of Transportation
Plan Date: September 2, 2004



Legend	
Freeways	Boulevards
Existing	Existing
Needs Upgrade	Needs Upgrade
Recommended	Recommended
Expressways	Thoroughfares
Existing	Existing
Needs Upgrade	Needs Upgrade
Recommended	Recommended
US/Other Route	State Port
Major Airport	Intermodal Connector
Coast Guard Station	Major Military Base
Urban Area	Water Features

Exhibit 31: Strategic Highway Corridors List

Corridor	Length (miles)	Corridor Vision
Corridor 01: Chattanooga, TN to Asheville (US 74, US 64, I-40)	129.14	
US 64/US 74: TN/NC State Line to US 64 in Murphy	20.27	Expressway
US 74: US 64 in Murphy to Bryson City Bypass	46.98	Expressway
US 74: Bryson City Bypass	9.72	Freeway
US 74: Bryson City Bypass to Sylva Bypass	7.56	Expressway
US 74: Sylva Bypass	4.27	Freeway
US 74: Sylva Bypass to End of Waynesville Bypass	12.65	Expressway
US 74: End of Waynesville Bypass to I-40	8.92	Freeway
I-40/US 74: US 74 to I-26	18.77	Freeway
Corridor 02: Chattanooga, TN to Hendersonville (US 64, US 74, NC 280)	137.65	
US 64/US 74: TN/NC State Line to Murphy	20.27	Expressway
US 64: Murphy to West of Franklin	38.08	Boulevard
US 64: West of Franklin to NC 28 at Franklin Bypass	8.22	Expressway
US 64: NC 28 at Franklin Bypass to west of Brevard	46.01	Thoroughfare
US 64: West of Brevard to NC 280	9.08	Boulevard
NC 280: US 64 to I-26	15.99	Boulevard
Corridor 03: Atlanta, GA to Cherokee (NC 60, US 74, US 441)	73.50	
NC 60: GA/NC State Line to US 64/US 74	5.04	Expressway
US 64/US 74: to US 64 in Andrews	6.24	Expressway
US 74: US 64 in Andrews to Bryson City Bypass	46.98	Expressway
US 74: Bryson City Bypass to US 441	9.72	Freeway
US 441: US 74 to US 19 in Cherokee	5.52	Boulevard
Corridor 04: Atlanta, GA to Asheville (US 23, US 441, US 74, I-40)	77.14	
US 23/US 441: GA/NC State Line to US 74	32.53	Expressway
US 74: US 23/US 441 to End Waynesville Bypass	16.92	Expressway
US 74: End of Waynesville Bypass to I-40	8.92	Freeway
I-40/US 74: US 74 to I-26	18.77	Freeway
Corridor 05: Anderson, SC to Knoxville, TN (NC 107, US 74, US 441)	69.99	
NC 107: SC/GA State Line to Cullowhee	28.81	Thoroughfare
NC 107: Cullowhee to US 74	7.71	Boulevard

Exhibit 31: Strategic Highway Corridors List (continued)

Corridor	Length (miles)	Corridor Vision
US 74: End of Sylva Bypass to US 441	7.56	Expressway
US 441: US 74 to US 19 in Cherokee	5.52	Boulevard
US 441: US 19 in Cherokee to NC/TN State Line	16.12	Thoroughfare
Corridor 06: Knoxville, TN to Wilmington (I-40)	423.71	
I-40: TN/NC State Line to NC 132 (North)	421.86	Freeway
I-40 Extension: NC 132 (North) to US 17 (Market Street)	1.85	Freeway
A. Airport Connector	15.99	
Airport Connector: I-74 (W-S Beltway) to I-840 (Greensboro Urban Loop)	14.25	Freeway
I-40 Connector: I-40 to Airport Connector	1.74	Freeway
B. Business I-40 (Winston-Salem)	18.71	
Business I-40: I-40 (West) to I-40 (East)	18.71	Freeway
C. Business I-40 (Greensboro)	13.93	
Business I-40: I-40 (West) to I-40/I-85 (East)		Freeway
D. I-140 (Wilmington)	34.91	
I-140: US 421 (South) to US 17 (North)	34.91	Freeway
E. I-240 (Asheville)	9.26	
I-240: I-40 (West) to I-40 (East)	9.26	Freeway
F. I-440 (Raleigh)	25.21	
I-440: Entire Loop	25.21	Freeway
G. I-540/I-640 (Raleigh)	70.03	
I-540/I-640: Entire Loop	70.03	Freeway
H. I-840 (Greensboro)	20.71	
I-840: I-40 (West) to I-40 (East)	20.71	Freeway
I. US 421, US 117, Martin Luther King Jr. Parkway (Wilmington)	6.78	
US 421: US 74/US 76 to US 117 (Elizabeth Holmes Bridge)	1.50	Expressway
US 117: Elizabeth Holmes Bridge	0.56	Expressway
Martin Luther King Jr. Parkway: Elizabeth Holmes Bridge to I-40 Ext.	4.72	Expressway
J. Independence Boulevard (Wilmington)	5.85	
Independence Boulevard: US 421 (South) to Martin Luther King Jr. Pkwy	5.85	Boulevard

Exhibit 31: Strategic Highway Corridors List (continued)

Corridor		Length (miles)	Corridor Vision
K. Triangle Parkway/NC 147 (Durham)		15.62	
Triangle Parkway: I-540 to I-40		3.37	Freeway
NC 147: I-40 to I-85		12.25	Freeway
L. Wade Avenue (Raleigh)		2.90	
Wade Avenue: I-40 to I-440		2.90	Freeway
Corridor 07: Asheville to Greeneville, TN (I-26, US 25, US 70, NC 208)		41.80	
I-26: I-40 to US 25/US 70 in Weaverville		11.57	Freeway
US 25/US 70: I-26 to NC 251		8.65	Expressway
US 25/US 70: NC 251 to NC 208		12.45	Boulevard
NC 208: US 25/US 70 to NC/TN State Line		9.13	Thoroughfare
Corridor 08: Greenville, SC to Asheville (US 25, NC 225, I-26)		31.84	
US 25: SC/NC State Line to NC 225		5.42	Freeway
NC 225: US 25 to I-26		3.49	Freeway
I-26: NC 225 to I-40		22.93	Freeway
Corridor 09: Spartanburg, SC to Johnson City, TN (I-26)		70.12	
I-26: SC/NC State Line to NC/TN State Line		70.12	Freeway
A. US 19/US 23 (Asheville)		1.02	
US 19/US 23: I-240 to I-26		1.02	Freeway
Corridor 10: Asheville to Boone (I-26, US 19E, NC 105)		88.94	
I-26: I-40 to US 19E		21.77	Freeway
US 19E: I-26 to NC 194		37.03	Boulevard
NC 194: US 19E to NC 105		3.87	Boulevard
NC 105: NC 194 to US 321		26.27	Boulevard
Corridor 11: Asheville to Gastonia (I-26, US 74)		92.39	
I-26/US 74: I-40 to US 74		35.02	Freeway
US 74: I-26 to I-85		57.37	Freeway

Exhibit 31: Strategic Highway Corridors List (continued)

Corridor		Length (miles)	Corridor Vision
Corridor 12:	Spartanburg, SC to Boone (US 221, NC 105)	92.13	
	US 221: SC/NC State Line to I-40	35.99	Boulevard
	US 221: I-40 to US 70	6.97	Expressway
	US 221: US 70 to NC 105	21.00	Boulevard
	NC 105: US 221 to US 321	28.17	Boulevard
Corridor 13:	Boone to Wytheville, VA (US 421, US 221)	52.38	
	US 421: US 321 to End of Boone Bypass	1.25	Freeway
	US 421: End of Boone Bypass to US 221	9.15	Expressway
	US 221: US 421 to NC 16	16.74	Boulevard
	US 221: NC 16 to NC/VA State Line	25.24	Thoroughfare
Corridor 14:	Spartanburg, SC to Wilkesboro (NC 18)	91.52	
	NC 18: SC/NC State Line to US 421	91.52	Boulevard
Corridor 15:	Gastonia to Johnson City, TN (US 321)	96.11	
	US 321: I-85 to US 70	33.88	Freeway
	US 321: US 70 to Boone Bypass	43.62	Expressway
	US 321: Boone Bypass	3.28	Freeway
	US 321: Boone Bypass to NC/TN State Line	15.33	Expressway
	A. Garden Parkway (Gastonia)	27.78	
	Garden Parkway: US 321 (North) to I-485	27.78	Freeway
Corridor 16:	Spartanburg, SC to Petersburg, VA (I-85)	235.27	
	I-85: SC/NC State Line to NC/VA State Line	235.27	Freeway
	A. Aviation Parkway, Northern Durham Parkway (Raleigh/Durham)	18.40	
	Aviation Parkway: I-540 to US 70	2.45	Freeway
	Northern Durham Parkway: US 70 to I-85	8.01	Freeway
	Northern Durham Parkway: I-85 to US 501	7.94	Boulevard
	B. Business I-85 (High Point)	30.01	
	Business I-85: I-85 (South) to I-85 (North)	30.01	Expressway
	C. Business I-85 (Greensboro)	10.13	

Exhibit 31: Strategic Highway Corridors List (continued)

Corridor	Length (miles)	Corridor Vision
Business I-85: I-85 (South) to I-40/I-85 (North)	10.13	Freeway
D. East End Connector (Durham)	0.88	
East End Connector: NC 147 to US 70	0.88	Freeway
E. I-485 (Charlotte)	65.80	
I-485: Entire Loop	65.80	Freeway
F. US 501 (Durham)	6.87	
US 501: I-85 to Northern Durham Parkway	6.87	Boulevard
G. US 70 (Durham/Raleigh)	9.75	
US 70: I-85 to I-540	9.75	Freeway
Corridor 17: Shelby to Lincolnton (NC 150)	18.91	
NC 150: US 74 to US 321	18.91	Boulevard
Corridor 18: Charlotte to Wilkesboro (NC 16)	74.99	
NC 16: I-77 to I-85	2.22	Freeway
NC 16: I-85 to US 421	72.77	Boulevard
Corridor 19: Lincolnton to Concord (NC 73)	34.64	
NC 73: US 321 to I-85	34.64	Boulevard
Corridor 20: Boone to Winston-Salem (US 421)	80.69	
US 421: US 321 to End of Boone Bypass	1.25	Freeway
US 421: End of Boone Bypass to NC 16	27.11	Expressway
US 421: NC 16 to I-40	52.33	Freeway
Corridor 21: Rock Hill, SC to Wytheville, VA (I-77)	105.46	
I-77: SC/NC State Line to NC/VA State Line	105.46	Freeway
A: US 521/Billy Graham Parkway (Charlotte)	5.28	
US 521 (Billy Graham Parkway): I-77 to I-85	5.28	Expressway
B: I-277 (Charlotte)	4.47	

Exhibit 31: Strategic Highway Corridors List (continued)

Corridor		Length (miles)	Corridor Vision
I-277: I-77 (South) to I-77 (North)		4.47	Freeway
Corridor 22: Rock Hill, SC to Monroe (NC 75)		15.57	
NC 75: SC/NC State line to US 601		15.57	Boulevard
Corridor 23: Charlotte to Florence, SC (US 74, US 601)		39.25	
US 74: I-277 to I-485		11.57	Expressway
US 74: I-485 to US 601		10.96	Freeway
US 601: US 74 to NC/SC State Line		16.72	Expressway
Corridor 24: Charlotte to Wilmington (US 74)		197.79	
US 74: I-277 to I-485		11.57	Expressway
US 74: I-485 to Cape Fear Memorial Bridge		186.22	Freeway
Corridor 25: Charlotte to Fayetteville (NC 24, NC 27, NC 87)		120.53	
NC 24/NC 27: US 74 to I-485		7.11	Boulevard
NC 24/NC 27: I-485 to NC 87		100.58	Expressway
NC 24/NC 87: NC 87 to I-295 (Fayetteville Outer Loop)		12.84	Expressway
Corridor 26: Charlotte to Raleigh (NC 49, US 64)		131.22	
NC 49 Connector: I-85 to NC 49		0.96	Freeway
NC 49: NC 49 Connector to Asheboro Bypass		59.39	Expressway
US 64: Asheboro Bypass		9.82	Freeway
US 64: Asheboro Bypass to Pittsboro Bypass		30.34	Expressway
US 64: Pittsboro Bypass		8.09	Freeway
US 64: Pittsboro Bypass to US 1		18.82	Expressway
US 1/US 64: US 64 to I-40		3.80	Freeway
Corridor 27: Statesville to Raleigh (I-40, US 64)		136.00	
I-40: I-77 to US 64 in Mocksville		15.70	Freeway
US 64: I-40 in Mocksville to Asheboro Bypass		47.75	Expressway
US 64: Asheboro Bypass		11.50	Freeway
US 64: Asheboro Bypass to Pittsboro Bypass		30.34	Expressway
US 64: Pittsboro Bypass		8.09	Freeway
US 64: Pittsboro Bypass to US 1		18.82	Expressway

Exhibit 31: Strategic Highway Corridors List (continued)

Corridor		Length (miles)	Corridor Vision
US 1/US 64: US 64 to I-40		3.80	Freeway
Corridor 28: Statesville to Salisbury (US 70)		25.41	
US 70: I-77 to I-85		25.41	Boulevard
Corridor 29: Charlotte to Winston-Salem (I-85, I-285, US 52)		71.92	
I-85: I-77 to I-285/US 52		49.10	Freeway
I-285/US 52: I-85 to I-40		22.82	Freeway
Corridor 30: Wytheville, VA to Myrtle Beach, SC (I-74, I-77, US 52, US 311, US 220, US 74)		292.66	
I-74/I-77: NC/VA State Line to I-74		4.71	Freeway
I-74: I-77 to US 52		12.00	Freeway
I-74/US 52: US 52 near Mount Airy to Winston-Salem Beltway		22.29	Freeway
I-74: Winston-Salem Beltway		16.20	Freeway
I-74/US 311: Winston-Salem Beltway to US 220		28.70	Freeway
I-74/US 220: US 311 to US 74		64.02	Freeway
I-74/US 74: I-73/US 220 to I-20/US 74 near Bolton		100.58	Freeway
I-74: I-20/US 74 near Bolton to US 17 near Shallotte		28.66	Freeway
I-74/US 17: US 17 near Shallotte to Carolina Bays Parkway Ext.		12.21	Freeway
I-74 (Carolina Bays Parkway Ext.): US 17 to NC/SC State Line		3.29	Freeway
A. US 52 (Winston-Salem)		11.25	
US 52: I-40 to I-74 (Winston-Salem Beltway)		11.25	Freeway
B. US 311 (Winston-Salem)		2.60	
US 311: I-40 to I-74 (Winston-Salem Beltway)		2.60	Freeway
C. Western Winston-Salem Beltway (Winston-Salem)		16.28	
Western Winston-Salem Beltway: US 158 to I-74/US 52		16.28	Freeway
Corridor 31: Florence, SC to Salisbury (US 52)		73.33	
US 52: SC/NC State Line to US 74 (Wadesboro Bypass)		13.86	Expressway
US 52/US 74: Wadesboro Bypass		3.65	Freeway
US 52: US 74 (Wadesboro Bypass) to I-85		55.82	Boulevard
Corridor 32: Myrtle Beach, SC to Martinsville, VA (I-73, US 220)		137.33	

Exhibit 31: Strategic Highway Corridors List (continued)

Corridor	Length (miles)	Corridor Vision
I-73: SC/NC State Line to US 74 (Rockingham Bypass)	8.88	Freeway
I-73/US 74 (Rockingham Bypass): US 74 to US 220	3.70	Freeway
I-73/US 220: US 74 (Rockingham Bypass) to I-85 (Greensboro Urban Loop)	79.29	Freeway
I-73 (Greensboro Urban Loop): I-85 to Bryan Boulevard	11.51	Freeway
I-73: I-840 (Greensboro Urban Loop) to NC 68	3.21	Freeway
I-73: NC 68 to US 220	8.28	Freeway
I-73/US 220: US 220/NC 68 Connector to NC/VA State Line	22.46	Freeway
A. US 220 (Greensboro)	2.10	
US 220: I-85 to I-40	2.10	Freeway
Corridor 33: Greensboro to Danville, VA (I-785, I-840, US 29)	39.58	
I-785/I-840 (Greensboro Urban Loop): I-40/I-85 to US 29	6.69	Freeway
I-785/US 29: I-840 (Greensboro Urban Loop) to NC/VA State Line	32.89	Freeway
A. US 29 (Greensboro)	7.45	
US 29: I-40 to I-840/I-785 (Greensboro Urban Loop)	7.45	Expressway
Corridor 34: Rockingham to Raleigh (US 1)	92.85	
US 1: I-74/US 74 to I-40	92.85	Freeway
Corridor 35: Raleigh to Henderson (US 1)	42.63	
US 1: I-440 to I-540	4.90	Expressway
US 1: I-540 to I-85	37.73	Freeway
A. US 401 (Raleigh)	3.28	
US 401: Peace Street to I-440	3.28	Expressway
Corridor 36: Burlington to Danville, VA (NC 87, I-785, US 29)	42.99	
Burlington Western Loop: I-85 to NC 87	5.45	Boulevard
NC 87: Burlington Western Loop to I-785/US 29	18.86	Boulevard
I-785/US 29: NC 87 to NC/VA State Line	18.68	Freeway
Corridor 37: Winston-Salem to Kitty Hawk/Nags Head (US 158)	321.30	
US 158: Business I-40 to I-785/US 29	41.63	Boulevard
US 158: I-785/US 29 to I-85	69.29	Expressway

Exhibit 31: Strategic Highway Corridors List (continued)

Corridor	Length (miles)	Corridor Vision
US 158/I-85: I-85 (South) to I-85 (North)	19.32	Freeway
US 158: I-85 to I-95	38.32	Freeway
US 158: I-95 to Jackson Bypass	13.41	Expressway
US 158: Jackson Bypass	2.46	Freeway
US 158: Jackson Bypass to Conway Bypass	9.34	Expressway
US 158: Conway Bypass	3.65	Freeway
US 158: Conway Bypass to US 13 (South)	15.67	Expressway
US 158/US 13: US 13 (South) to US 13 (North)	6.48	Freeway
US 158: US 13 (North) to US 17 (North)	30.55	Expressway
US 158/US 17: US 17 (North) to US 17 (South)	3.70	Freeway
US 158: US 17 (South) to NC 168	23.51	Expressway
US 158: NC 168 to US 64	43.97	Boulevard
Corridor 38: Chapel Hill to Danville, VA (NC 86)	41.90	
NC 86: I-40/I-85 to NC/VA State Line	41.90	Expressway
Corridor 39: Sanford to Durham (US 15, US 501)	42.12	
US 15/US 501: US 1 to US 64 (East)	15.46	Expressway
US 15/US 501/US 64: US 64 (East) to US 64 (West)	1.07	Freeway
US 15/US 501: US 64 (West) to Franklin Street	17.58	Boulevard
US 15/US 501: Franklin Street to I-40	1.50	Expressway
US 15/US 501: I-40 to I-85	6.51	Freeway
Corridor 40: Fayetteville to Greensboro (NC 87, US 421)	97.00	
NC 87: I-95 to NC 24	6.69	Freeway
NC 87: NC 24 to US 421	31.85	Expressway
US 421: NC 87 to I-85 (Greensboro Urban Loop)	55.23	Freeway
US 421: I-85 (Greensboro Urban Loop) to I-40	3.23	Expressway
A: All American Freeway (Fayetteville)	4.70	
All American Freeway: US 401 to Fort Bragg	4.70	Freeway
Corridor 41: Rockingham to Fayetteville (I-74, US 74, US 401)	63.65	
I-74/US 74: US 1 to US 401	22.19	Freeway
US 401: I-74/US 74 to NC 87	41.46	Boulevard

Exhibit 31: Strategic Highway Corridors List (continued)

Corridor		Length (miles)	Corridor Vision
Corridor 42:	Fayetteville to Raleigh (NC 87, NC 210, US 401)	52.41	
	NC 87: I-295 to NC 210	3.87	Expressway
	NC 210: NC 87 to US 401	20.11	Boulevard
	US 401: NC 210 to I-40	28.43	Boulevard
Corridor 43:	Wilmington to Fayetteville (I-20, US 74, NC 87)	82.99	
	I-20/US 74: Cape Fear Memorial Bridge to NC 87	17.24	Freeway
	NC 87: I-20/US 74 to I-95	65.75	Expressway
Corridor 44:	Raleigh to Nags Head (US 64)	185.12	
	US 64: I-440 to Columbia	145.78	Freeway
	US 64: Columbia to US 158	39.34	Expressway
Corridor 45:	Raleigh to Washington (US 264)	99.58	
	US 264: I-440 to US 17	99.58	Freeway
Corridor 46:	Raleigh to Morehead City (US 70)	142.50	
	US 70: I-40 to State Port to End of Havelock Bypass	124.60	Freeway
	US 70: End of Havelock Bypass to State Port at Morehead City	17.90	Boulevard
	A: Northern Carteret Bypass (Carteret County)	23.37	
	Northern Carteret Bypass: US 70 at End of Havelock Bypass to State Port	23.37	Freeway
Corridor 47:	Fayetteville to Morehead City (NC 24, US 70)	145.61	
	NC 24: Business I-95 to I-95	3.59	Expressway
	NC 24: I-95 to East of I-95	2.60	Freeway
	NC 24: East of I-95 to I-40 (West)	43.59	Expressway
	NC 24/I-40: I-40 (West) to I-40 (East)	6.09	Freeway
	NC 24: I-40 (East) to NC 11 (North)	5.88	Freeway
	NC 24: NC 11 (North) to Jacksonville Bypass	34.57	Expressway
	NC 24: Jacksonville Bypass	4.93	Freeway
	NC 24: Jacksonville Bypass to US 70	37.17	Expressway
	US 70: NC 24 to State Port at Morehead City	7.19	Boulevard

Exhibit 31: Strategic Highway Corridors List (continued)

Corridor		Length (miles)	Corridor Vision
Corridor 48:	Florence, SC to Petersburg, VA (I-95)	181.36	
	I-95: SC/NC State Line to NC/VA State Line	181.36	Freeway
	A. Business I-95 (Fayetteville)	15.15	
	Business I-95: I-95 (South) to East Mountain Drive	6.23	Expressway
	Business I-95: East Mountain Drive to NC 24	3.58	Boulevard
	Business I-95: NC 24 to I-95 (North)	5.34	Freeway
	B. I-295 (Fayetteville)	33.54	
	I-295: I-95 (South) to I-95 (North)	33.54	Freeway
	C. US 301/NC 4 (Wilson, Rocky Mount)	45.51	
	I-95 (South) to I-95 (North)	45.51	Expressway
Corridor 49:	Florence, SC to Wilmington (I-20, US 76, US 74)	66.56	
	I-20: SC/NC State Line to US 74/US 76 near Whiteville	14.62	Freeway
	I-20/US 74/US 76: US 74 near Whiteville to Cape Fear Memorial Bridge	51.94	Freeway
Corridor 50:	Wilmington to Wilson (I-40, NC 403, US 117, US 264)	114.50	
	I-40 Extension: US 17 (Market Street) to NC 132 (North)	1.85	Freeway
	I-40: NC 132 (North) to NC 403	63.20	Freeway
	NC 403: I-40 to US 117	2.67	Freeway
	US 117: NC 403 to US 264	41.22	Freeway
	US 264: US 117 to I-95	5.56	Freeway
Corridor 51:	Myrtle Beach, SC to Wilmington (I-74, US 17, I-20, US 74)	48.17	
	I-74 (Carolina Bays Parkway Ext): SC/NC State Line to US 17	3.29	Freeway
	US 17: I-74 to I-20/US 74	40.75	Freeway
	US 17/I-20/US 74: US 17 to Cape Fear Memorial Bridge	4.13	Freeway
	A. NC 87 (Brunswick County)	15.13	
	NC 87: Sunny Point Army Terminal to US 17	15.13	Expressway
Corridor 52:	Wilmington to Norfolk, VA (US 17)	205.34	
	US 17: I-140 (East) to NC/VA State Line	205.34	Freeway

Exhibit 31: Strategic Highway Corridors List (continued)

Corridor	Length (miles)	Corridor Vision
A. Military Cutoff Road Extension	3.54	
Military Cutoff Road Ext.: US 17 to I-140	3.54	Boulevard
B. Hampstead Bypass	12.96	
Hampstead Bypass: I-140 to US 17 (North)	12.96	Freeway
Corridor 53: Wilmington to Norfolk, VA (I-40, NC 24, NC 11, US 13)	200.38	
I-40 Extension: US 17 (Market Street) to NC 132 (North)	1.85	Freeway
I-40: NC 132 (North) to NC 24 (East)	47.40	Freeway
NC 24 (East): I-40 to NC 11	2.82	Freeway
NC 11: NC 24 to US 13 (North) in Greenville	70.25	Freeway
US 13/NC 11: US 13 (North) in Greenville to US 64	12.58	Freeway
NC 11: US 64 to US 13 near Ahoskie	48.15	Freeway
US 13: NC 11 near Ahoskie to NC/VA State Line	17.30	Freeway
A. Felix Harvey Parkway (Kinston)	13.87	
Felix Harvey Parkway: US 70 (Kinston Bypass) to NC 11	13.87	Expressway
B. US 13 (Windsor to Ahoskie)	26.79	
US 13: US 17 to NC 11	26.79	Expressway
Corridor 54: Jacksonville to Kinston (US 258)	41.10	
US 258: US 17 to NC 11	41.10	Expressway
Corridor 55: Hatteras to Norfolk, VA (NC 12, US 158, NC 168)	119.94	
NC 12: Hatteras Ferry Terminal to US 158	57.65	Thoroughfare
US 158: NC 12 to NC 168	43.97	Boulevard
NC 168: US 158 to NC/VA State Line	18.32	Boulevard
A. NC 12/Mid-Currituck Bridge (Corolla)	25.96	
NC 12: US 158 (South) to Mid-Currituck Bridge	18.82	Thoroughfare
Mid-Currituck Bridge: NC 12 to US 158	7.14	Boulevard